

DT09 Rec'd PCT/PTO 13 SEP 2004

Please type a plus sign (+) in this box -

+

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

|   |   |    |   |                        |  |  |  |
|---|---|----|---|------------------------|--|--|--|
| Substitute for Form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application Number     |  | To be assigned (U.S. national phase application of PCT/JP03/03289) |  |
|   |   |    |   | Filed                  |  | Concomitantly Herewith<br><b>10/507539</b>                         |  |
|   |   |    |   | First Named Inventor   |  | Hiroshi MORITA   |  |
|   |   |    |   | Group Art Unit         |  |  |  |
|   |   |    |   | Examiner Name          |  |  |  |
| Sheet   | 1 | of | 3 | Attorney Docket Number |  | 04556/HG   |  |

**U.S. PATENT DOCUMENTS**

| Exam. Inits <sup>*</sup> | Cite No <sup>1</sup> | Document Number | Kind Code <sup>2</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion |
|--------------------------|----------------------|-----------------|------------------------|-------------------------------|-----------------------------|------------------|
| djt                      |                      | 5,800,626       | A                      | COHEN et al.                  | 09-01-1998                  |                  |
| djt                      |                      | 4,595,498       | A                      | COHEN et al.                  | 06-17-1986                  |                  |

**FOREIGN PATENT DOCUMENTS**

| Exam Inits <sup>*</sup> | Cite No <sup>1</sup> | offc <sup>3</sup> | Document Number <sup>4</sup> | Kind Code <sup>5</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion | T <sup>6</sup> |
|-------------------------|----------------------|-------------------|------------------------------|------------------------|-------------------------------|-----------------------------|------------------|----------------|
| djt                     |                      | JP                | 11-138182                    | A                      | KURITA WATER IND.             | 05-25-1999                  |                  | *              |
| djt                     |                      | JP                | 2001-79376                   | A                      | KURITA WATER IND.             | 03-27-2001                  |                  | **             |
| djt                     |                      | JP                | 2000-271549                  | A                      | KURITA WATER IND.             | 10-03-2000                  |                  | **             |
| djt                     |                      | JP                | 2000-216130                  | A                      | KURITA WATER IND.             | 08-04-2000                  |                  | **             |
| djt                     |                      | JP                | 10-202242                    | A                      | NSK INSULATORS et al.         | 08-04-1998                  |                  |                |
| djt                     |                      | JP                | 11-077021                    | A                      | KURITA WATER IND.             | 03-23-1999                  |                  |                |
| djt                     |                      | JP                | 11-077023                    | A                      | KURITA WATER IND.             | 03-23-1999                  |                  |                |
| djt                     |                      | JP                | 09-232270                    | A                      | SHIBAURA ENG WORKS CO. LTD.   | 09-05-1997                  |                  |                |

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Examiner Signature | <i>Douglas J. Heisen</i> | Date Considered | 10/17/06 |
|--------------------|--------------------------|-----------------|----------|

\* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: SEPTEMBER 13, 2004

\*ENGLISH-LANGUAGE ABSTRACT AND ENGLISH-LANGUAGE TRANSLATION OF CLAIM 1 AND PORTION OF SPECIFICATION ENCLOSED.

\*\*ENGLISH-LANGUAGE ABSTRACT ENCLOSED.

\*\*\*ENGLISH-LANGUAGE ABSTRACT AND ENGLISH-LANGUAGE TRANSLATION OF PORTION OF SPECIFICATION ENCLOSED.

Please type a plus sign (+) inside this box →



DT09 Rec'd PCT/PTO 13 SEP 2004  
PTO/SB/08A (08-00)

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

|   |   |    |   |                        |  |
|---|---|----|---|------------------------|--|
| Substitute for Form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application Number     | To be assigned (U.S. national phase application of PCT/JP03/03289) |
|   |   |    |   | Filed                  | Concomitantly Herewith   |
|   |   |    |   | First Named Inventor   | Hiroshi MORITA   |
|   |   |    |   | Group Art Unit         |  |
|   |   |    |   | Examiner Name          |  |
| Sheet.  | 2 | of | 3 | Attorney Docket Number | 04556/HG   |

### U.S. PATENT DOCUMENTS

| Exam. Inits <sup>1</sup> | Cite No <sup>1</sup> | Document Number | Kind Code <sup>2</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion |
|--------------------------|----------------------|-----------------|------------------------|-------------------------------|-----------------------------|------------------|
|                          |                      |                 |                        |                               |                             |                  |

### FOREIGN PATENT DOCUMENTS

| Exam. Inits <sup>1</sup> | Cite No <sup>1</sup> | Offc <sup>3</sup> | Document Number <sup>4</sup> | Kind Code <sup>5</sup> | Name of Patentee or Applicant  | Publication Date MM-DD-YYYY | Relevant Portion | T <sup>6</sup> |
|--------------------------|----------------------|-------------------|------------------------------|------------------------|--------------------------------|-----------------------------|------------------|----------------|
| djt                      |                      | JP                | 2000-153139                  | A                      | PRE-TECH CO LTD                | 06-06-2000                  | **               |                |
| djt                      |                      | JP                | 3029608                      | B1                     | PRE-TECH CO LTD                | 02-04-2000                  | ****             |                |
| djt                      |                      | JP                | 11-333475                    | A                      | TOKICO LTD                     | 12-07-1999                  | **               |                |
| djt                      |                      | JP                | 2001-286833                  | A                      | TOPPAN PRINTING CO             | 10-16-2001                  | **               |                |
| djt                      |                      | JP                | 09-232273                    | A                      | SUMITOMO SITIX CORP.           | 09-05-1997                  | **               |                |
| djt                      |                      | JP                | 10-154683                    | A                      | DAINIPPON SCREEN MFG. CO. LTD. | 06-09-1998                  | **               |                |
| djt                      |                      | JP                | 10-154685                    | A                      | DAINIPPON SCREEN MFG. CO. LTD. | 06-09-1998                  | **               |                |

|                    |                   |                 |          |
|--------------------|-------------------|-----------------|----------|
| Examiner Signature | Douglas J. Heisen | Date Considered | 10/17/06 |
|--------------------|-------------------|-----------------|----------|

\* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: SEPTEMBER 13, 2004

\*\*ENGLISH-LANGUAGE ABSTRACT ENCLOSED.

\*\*\*\*JP 3029608 IS A PATENT WHICH ISSUED FROM THE APPLN. PUBLISHED AS JP 2000-153139.

DT09 Rec'd PCT/PTO 13 SEP 2004

Please type a plus sign (+) inside this box -



PTO/SB/08A (08-00)

U.S. Patent and Trademark Office

U.S. DEPARTMENT OF COMMERCE

|   |   |    |   |                        |  |  |  |
|---|---|----|---|------------------------|--|--|--|
| Substitute for Form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application Number     |  | To be assigned (U.S. national phase application of PCT/JP03/03289) |  |
|   |   |    |   | Filed                  |  | Concomitantly Herewith   |  |
|   |   |    |   | First Named Inventor   |  | Hiroshi MORIYA <b>10/507539</b>                                    |  |
|   |   |    |   | Group Art Unit         |  |  |  |
|   |   |    |   | Examiner Name          |  |  |  |
| Sheet   | 3 | of | 3 | Attorney Docket Number |  | 04556/HG   |  |

## U.S. PATENT DOCUMENTS

| Exam. Inits <sup>1</sup> | Cite No <sup>1</sup> | Document Number | Kind Code <sup>2</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion |
|--------------------------|----------------------|-----------------|------------------------|-------------------------------|-----------------------------|------------------|
|                          |                      |                 |                        |                               |                             |                  |

## FOREIGN PATENT DOCUMENTS

| Exam. Inits <sup>1</sup> | Cite No <sup>1</sup> | Offc <sup>3</sup> | Document Number <sup>4</sup> | Kind Code <sup>5</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion | T <sup>6</sup> |
|--------------------------|----------------------|-------------------|------------------------------|------------------------|-------------------------------|-----------------------------|------------------|----------------|
| djt                      |                      | JP                | 08-281281                    | A                      | KOJIMA SEISAKUSHO:KK          | 10-29-1996                  | **               |                |
| djt                      |                      | JP                | 9-501017                     | A                      | LEGACY SYSTEMS                | 01-28-1997                  | ***              |                |
| djt                      |                      | WO                | 95/02895                     | A1                     | LEGACY SYSTEMS                | 01-26-1995                  |                  |                |
| djt                      |                      | JP                | 10-242107                    | A                      | IBM                           | 09-11-1998                  | **               |                |
| djt                      |                      | JP                | 3117427                      | B2                     | IBM                           | 10-06-2000                  | ****             |                |
| djt                      |                      | JP                | 11-121417                    | A                      | MITSUBISHI ELEC. CORP.        | 04-30-1999                  | **               |                |

|                    |                           |                 |          |
|--------------------|---------------------------|-----------------|----------|
| Examiner Signature | <i>Douglas J. Therson</i> | Date Considered | 10/12/06 |
|--------------------|---------------------------|-----------------|----------|

\* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE MAILED: SEPTEMBER 13, 2004

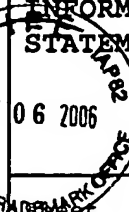
\*\*ENGLISH-LANGUAGE ABSTRACT ENCLOSED; \*\*\*JP 9-501017 IS THE JAPANESE APPLN. CORRESPONDING TO WO 95/02895; \*\*\*\*JP 3117427 IS A PATENT WHICH ISSUED FROM THE APPLN. PUBLISHED AS JP 10-242107; USP 5,800,625 IS A FAMILY MEMBER OF JP 10-242107 AND JP 3117427.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

|   |   |    |   |                        |                    |
|---|---|----|---|------------------------|--------------------|
| Substitute for Form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br> |   |    |   | Application Number     | 10/507,539         |
|   |   |    |   | Filing Date            | September 13, 2004 |
|   |   |    |   | First Named Inventor   | Hiroshi MORITA     |
|   |   |    |   | Group Art Unit         | 1724               |
|   |   |    |   | Examiner Name          | Douglas J. THEISEN |
| Sheet   | 1 | of | 1 | Attorney Docket Number | 04556/HG           |

### U.S. PATENT DOCUMENTS

| Exam. Inits <sup>1</sup> | Cite No <sup>1</sup> | Document Number | Kind Code <sup>2</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion |
|--------------------------|----------------------|-----------------|------------------------|-------------------------------|-----------------------------|------------------|
|                          |                      |                 |                        |                               |                             |                  |

### FOREIGN PATENT DOCUMENTS

| Exam Inits <sup>1</sup> | Cite No <sup>1</sup> | Offc <sup>3</sup> | Document Number <sup>4</sup> | Kind Code <sup>5</sup> | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion | T <sup>6</sup> |
|-------------------------|----------------------|-------------------|------------------------------|------------------------|-------------------------------|-----------------------------|------------------|----------------|
| djt                     |                      | JP                | 2001-025715                  | A                      | JAPAN ORGANO CO LTD           | 1-30-2001                   |                  |                |
| djt                     |                      | JP                | 2001-085304                  | A                      | TOSHIBA CORP                  | 3-30-2001                   |                  |                |

|                    |                           |                 |          |
|--------------------|---------------------------|-----------------|----------|
| Examiner Signature | <i>Douglas J. Theisen</i> | Date Considered | 10/18/06 |
|--------------------|---------------------------|-----------------|----------|

\* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE: OCTOBER 6, 2006